



**NATIONAL  
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# KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:  
Univ. of Ky - Agr'l Weather Center  
U.S. Dept. of Commerce - NOAA  
Kentucky Department of Agriculture  
Cooperative Extension Service

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8-10

**AGRICULTURAL NEWS:** Below normal temperatures and above normal rainfall was the trend across the Commonwealth last week. Temperature average, at 65 degrees, was 2 degree below normal for this time of year. Total precipitation for the week was 1.11 inches, 0.05 inches above normal. **Topsoil moisture** was rated as 65 percent adequate, and 35 percent surplus. **Subsoil moisture** was rated as 4 percent short, 77 percent adequate, and 19 percent surplus. There were 2.8 days, out of a possible 7, suitable for fieldwork. Rain during the week delayed fieldwork and caused additional flooding in some locations. Many fields are still saturated due to rainfall received since May 1.

**ROW CROPS:** Wet conditions inhibited corn planting last week. Reported progress was 96 percent of intended acreage planted, up 25 percent from last year, and up 8 percent from the five year average. Corn emergence was reported at 89 percent, 41 percent above the previous year, and 14 percent above the five year average. In some areas, water damage will force replanting or a possible switch from corn to soybeans or milo. Corn not affected by the excessive rainfall appears to be doing well. The average emerged corn height was 10 inches, with the most advanced height at 17 inches. Soybean planting progress was reported at 45 percent, 33 percent above last year, and 9 percent above the five year average. Emerged soybeans reported at 23 percent, 18 percent above the previous year, and 6 percent above the five year average.

**TOBACCO:** As of Sunday May 23, 22 percent of the state's burley had been set, 12 percent below last year, and 11 percent below the five year average. Dark tobacco is 34 percent set, 4 percent ahead of the five year average. Wet fields from continued precipitation hindered setting progress for the week. Tobacco producers were still anxious for the fields to dry from the rain to continue tobacco setting. Some producers have mowed transplants to keep from getting too large.

**SMALL GRAINS:** Winter wheat condition was reported as 3 percent very poor, 7 percent poor, 21 percent fair, 49 percent good, and 20 percent excellent. Some farmers were concerned that the wet weather could pose a potential disease problem in the winter wheat crop. The winter wheat harvest is expected to begin on June 15.

**OTHER CROPS AND PASTURE:** For the week of May 23, hay crop condition was rated as 1 percent very poor, 6 percent poor, 30 percent fair, 46 percent good, and 17 percent excellent. Farmers are cutting hay as much as the weather will allow. Rain delays will impact both yield and quality on first cutting of hay. Pasture condition was rated as 1 percent very poor, 3 percent poor, 23 percent fair, 54 percent good, and 19 percent excellent.

## **CROP PROGRESS for week ending 05/23/10**

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
Percent				
Corn Planted	96	94	71	88
Corn Emerged	89	83	48	75
Soybeans Planted	45	28	12	36
Soybeans Emerged	23	9	5	17
Burley Tobacco Set	22	20	34	33
Dark Tobacco Set	34	30	24	30

## **SOIL MOISTURE for week ending 05/23/10**

	Very Short	Short	Adequate	Surplus
Percent				
Topsoil	0	0	65	35
Subsoil	0	4	77	19

## **CROP CONDITIONS for week ending 05/23/10**

Crop	Very Poor	Poor	Fair	Good	Ex
Percent					
Corn Emerged	8	7	25	45	15
Wheat	3	7	21	49	20
Pasture	1	3	23	54	19
Hay Crops	1	6	30	46	17
Tobacco Set	1	3	19	64	13

## **KENTUCKY WEATHER SUMMARY, MAY 17 - 23, 2010:**

**Below Normal Temperature and Just Above Normal Rainfall:**

Like the week before, this past week was cloudy with rainfall somewhere in the state nearly everyday. Most days rain fell just as drizzle or as light rain; however by late Friday, early Saturday a cold front passed through the Commonwealth bringing a line of heavy rain and thunderstorms. Temperatures were just below normal due to cloud cover most of the week, keeping daytime highs below average.

Temperatures for the period averaged 65 degrees across the state which was 2 degrees below normal and 2 degrees cooler than the previous week. High temperatures averaged from 76 in the West to 73 in the East. Departure from normal high temperatures ranged from 5 degrees below normal in the West to 4 degrees below normal in the East. Low temperatures averaged from 59 degrees in the West to 57 degrees in the East. Departure from normal low temperature ranged from 1 degree above normal in the West to 1 degree above normal in the East.

Rainfall for the period totaled 1.11 inches statewide which was 0.05 inches above normal. Rainfall totals by climate division, West 0.78 inches, Central 1.00 inches, Bluegrass 1.68 inches and East 0.97 inches, which was -0.32, -0.11, +0.66 and -0.04 inches respectively from normal. By station, rainfall totals ranged from a low of 0.27 inches at Henderson to a high of 2.99 inches at Lexington.

Tom Priddy

### **KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, MAY 23, 7:00 P.M.**

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
		(Inches)				(Degrees Fahrenheit)						
Bardstown	1.30	10.49	8.29	+3.29	+4.33	86	51	64.4	-3	99	740	+95
Berea	1.05	12.98	11.21	+5.15	+6.93	83	48	65.2	-1	105	703	+35
Bowling Green	0.43	13.76	10.84	+5.77	+6.45	89	53	66.1	-2	110	800	+132
Bristol	0.57	4.60	2.85	-1.59	-0.59	83	48	66.1	-1	112	743	+151
Buckhorn Lake	0.79	8.93	6.85	+2.13	+3.18	82	46	63.6	-3	95	671	+79
Cape Girardeau	1.14	9.77	5.22	+1.49	+0.63	89	48	68.5	-1	127	801	+110
Campbellsville	2.26	14.97	12.36	+6.38	+7.72	86	51	65.2	-2	106	715	+47
Covington	1.26	6.85	4.98	-0.08	+1.18	84	51	63.1	-3	89	645	+83
Cumberland Gap	0.51	8.03	5.89	+0.38	+1.64	85	51	66.3	-0	113	749	+157
Dix Dam	1.95	12.79	10.94	+5.05	+6.72	83	47	64.4	-2	100	695	+50
Evansville	0.20	6.18	3.20	-1.36	-0.99	90	52	66.5	-3	111	758	+120
Glasgow	0.97	11.99	9.43	+3.69	+4.92	86	53	65.8	-2	109	763	+155
Grayson	1.63	10.57	8.84	+3.78	+5.07	82	50	64.1	-2	98	669	+130
Hardinsburg	1.09	12.83	8.43	+4.91	+4.10	87	45	63.9	-4	98	729	+61
Henderson	0.27	7.87	5.23	+0.23	+1.14	92	55	66.4	-3	111	754	+86
Huntington	0.66	9.27	6.99	+2.51	+3.23	83	51	65.4	-1	105	725	+133
Jackson	1.17	9.43	8.11	+2.01	+4.10	82	51	64.9	-2	103	768	+176
Lexington	2.99	12.24	10.72	+5.04	+6.76	85	47	63.6	-3	95	687	+125
London	0.76	8.35	5.79	+1.27	+1.98	82	52	65.5	-1	107	731	+139
Louisville	1.25	12.04	8.43	+4.38	+4.30	90	55	67.3	-0	117	809	+171
Mayfield	1.26	8.18	5.67	-0.59	+1.11	90	50	68.1	-2	123	829	+108
Nashville	0.78	19.68	16.33	+11.69	+11.98	91	50	68.7	+1	127	856	+135
Nolin Lake	0.97	12.61	9.98	+4.01	+5.16	87	52	64.4	-3	98	716	+71
Paducah	1.32	8.13	5.34	-0.55	+0.84	91	50	68.3	-1	123	819	+128
Princeton	0.50	11.90	8.65	+3.42	+4.17	89	51	66.8	-3	115	794	+96
Quicksand	0.88	8.21	6.83	+0.79	+2.82	83	53	65.7	-1	108	732	+140
Somerset	1.37	12.74	11.03	+4.63	+6.54	84	47	64.6	-2	102	709	+64
Spindletop	2.23	10.12	8.45	+2.92	+4.49	85	47	64.0	-3	99	696	+134
Williamstown	0.63	9.35	6.81	+1.93	+2.85	83	47	63.0	-4	90	656	+94

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.agwx.ca.uky.edu/>